



# STIC Search Report

EIC 3600

STIC Database Tracking Number: 191308

TO: Mark Fadok  
Location: Knox 5A21  
Art Unit : 3625  
Friday, June 09, 2006

Case Serial Number: 09/760062

From: Caryn Wesner-Early  
Location: EIC 3600  
Knox Rm. 4B71  
Phone: 272-3543

caryn.wesner-early@uspto.gov

## Search Notes

If a modification or re-focus of this search is needed, please let me know.

Caryn S. Wesner-Early, MSLS  
Technical Information Specialist  
EIC 3600, US Patent & Trademark Office  
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KWIL  
6-13-06





105/26

STIC EIC 3600  
Search Request Form

19/839

Today's Date:

Class/Subclass

What date would you like to use to limit the se

705/26

Priority Date: 5/7/2001 Other: 1/14/00

Name MARIL FADOKAU 3625 Examiner # 78738Room # 5A21 Phone 26255Serial # 09/760,062

Format for Search Results (Circle One):

☒ PAPER ☐ DISK ☐ EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDE

IEEE INSPEC SPI Other \_\_\_\_\_

Is this a "Fast & Focused" Search Request? (Circle One) YES ☒ NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic meet certain criteria. The criteria are posted in EIC3600 and on the EIC3600 NPL Web Page at <http://ptoweb/patents/stic/stic-ic3600.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to define the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Please search claim 29 Amended 2/20/06.

Please call so we can talk about the  
invention and allowable feature.

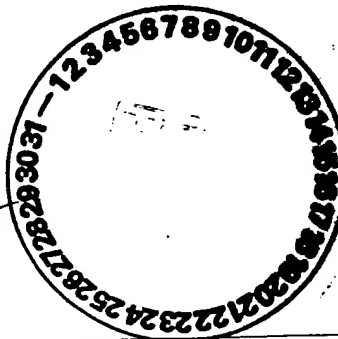
g06f-017?

g06g-030?

THANKS

RV3H

ACTING SPE 3625



STIC Searcher \_\_\_\_\_

Phone \_\_\_\_\_

Date picked up \_\_\_\_\_

Date Completed \_\_\_\_\_





# STIC Search Results Feedback Form

**EIC 3600**

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

**Karen Lehman, EIC 3600 Team Leader**  
**(571) 272-3496 Knox 4B68**

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

**Comments:**

**Drop off or send completed forms to EIC3600 Knox 4B68**



? show files;ds

File 610:Business Wire 1999-2006/Jun 09  
(c) 2006 Business Wire.

File 613:PR Newswire 1999-2006/Jun 09  
(c) 2006 PR Newswire Association Inc

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 47:Gale Group Magazine DB(TM) 1959-2006/Jun 08  
(c) 2006 The Gale group

File 635:Business Dateline(R) 1985-2006/Jun 08  
(c) 2006 ProQuest Info&Learning

File 570:Gale Group MARS(R) 1984-2006/Jun 07  
(c) 2006 The Gale Group

File 387:The Denver Post 1994-2006/Jun 08  
(c) 2006 Denver Post

File 471:New York Times Fulltext 1980-2006/Jun 09  
(c) 2006 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

File 494:St LouisPost-Dispatch 1988-2006/Jun 08  
(c) 2006 St Louis Post-Dispatch

File 631:Boston Globe 1980-2006/Jun 08  
(c) 2006 Boston Globe

File 633:Phil.Inquirer 1983-2006/Jun 07  
(c) 2006 Philadelphia Newspapers Inc

File 638:Newsday/New York Newsday 1987-2006/Jun 07  
(c) 2006 Newsday Inc.

File 640:San Francisco Chronicle 1988-2006/Jun 08  
(c) 2006 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2006/Jun 09  
(c) 2006 Scripps Howard News

File 702:Miami Herald 1983-2006/Jun 07  
(c) 2006 The Miami Herald Publishing Co.

File 703:USA Today 1989-2006/Jun 08  
(c) 2006 USA Today

File 704:(Portland)The Oregonian 1989-2006/Jun 06  
(c) 2006 The Oregonian

File 713:Atlanta J/Const. 1989-2006/Jun 09  
(c) 2006 Atlanta Newspapers

File 714:(Baltimore) The Sun 1990-2006/Jun 09  
(c) 2006 Baltimore Sun

File 715:Christian Sci.Mon. 1989-2006/Jun 09  
(c) 2006 Christian Science Monitor

File 725:(Cleveland)Plain Dealer Aug 1991-2006/Jun 08  
(c) 2006 The Plain Dealer

File 735:St. Petersburg Times 1989- 2006/Jun 08  
(c) 2006 St. Petersburg Times

File 476:Financial Times Fulltext 1982-2006/Jun 10  
(c) 2006 Financial Times Ltd

File 477:Irish Times 1999-2006/Jun 08  
(c) 2006 Irish Times

File 710:Times/Sun.Times(London) Jun 1988-2006/Jun 09  
(c) 2006 Times Newspapers

File 711:Independent(London) Sep 1988-2006/Jun 08  
(c) 2006 Newspaper Publ. PLC

File 756:Daily/Sunday Telegraph 2000-2006/Jun 09  
(c) 2006 Telegraph Group

File 757:Mirror Publications/Independent Newspapers 2000-2006/Jun 09

(c) 2006

Set	Items	Description
S1	21050086	AUTOGENERAT??? OR CREAT??? OR GENERAT??? OR PRODUC??? OR DEVELOP? OR FORM??? OR DERIV??? OR EXTRACT??? OR GLEAN??? OR SYNTHESIS?E? ? OR SYNTHESIS?ING OR CONSTRUCT??? OR CONFIGUR? OR FORMULAT???
S2	5686324	COMPARISON? ? OR COMPAR??? OR CORRELAT??? OR CORELAT??? OR JUXTAPOS? OR (LINE? ? OR LINING OR PAIR???) ()UP OR LINEUP OR SIDE(X)SIDE OR SIMILAR?
S3	16133450	MERCHANDISE OR GOODS OR WARES OR ITEM? ? OR PRODUCT? ? OR ARTICLE? ? OR THING? ? OR OBJECT? ? OR AUTOMOBILE? ? OR CAR OR CARS OR MOTOR()VEHICLE? ? OR AUTO OR AUTOS
S4	12267954	CHARACTERISTIC? ? OR QUALITIES OR PECULIARIT??? OR FEATURE? ? OR IDIOSYNCR? OR ATTRIBUTE? ? OR SPECIFICATIONS OR SPECS - OR PARTICULARS OR PROPERTIES OR DETAIL? ? OR DESCRIPTION? ? OR INFORMATION OR PARAMAT??? OR PARAMET???
S5	15899395	SIZE? ? OR PRICE? ? OR CLASS OR SEAT??? OR SUNROOF? OR MOONROOF? OR (SUN OR MOON) ()ROOF? ? OR TRANSMISSION OR STICK OR SHIFT??? OR AUTOMATIC OR HORSEPOWER OR COLOR OR COLOUR OR TRIM OR UPGRADE? ? OR SPEAKER? ? OR RADIO? ? OR PLAYER? ?
S6	203837	S1(3N)S2
S7	1775759	S3(5N) (S4 OR S5)
S8	11133	S6(S)S7
S9	2102	S8(S) (IDEAL?? OR PERFECT OR DESIRED OR REQUIRE? OR NEED?? - OR STIPULAT? OR PREREQUISITE? ? OR REQUISITE? ? OR REQUIRE? OR ESSENTIAL? ? OR NECESSIT? OR NECESSARY OR WANT?? OR ENVISION-??? OR DREAM)
S10	2614	S8(S) (SUPPLIABLE OR AVAILABLE OR AVAILIABLE OR AVAILABLE OR AVAABLE OR READY OR ACCESSIBLE OR ON(2W) (HAND OR SHELF OR LOT) OR OBTAINABLE OR ATTAINABLE OR PROCURABLE OR IN() (STOCK OR INVENTORY OR SUPPLY) OR ACTUAL?? OR REAL OR CONCRETE)
S11	672	S9(10N)S10
S12	1366	S8(20N) (IDEAL?? OR PERFECT OR DESIRED OR REQUIRE? OR NEED?? - OR STIPULAT? OR PREREQUISITE? ? OR REQUISITE? ? OR REQUIRE? - OR ESSENTIAL? ? OR NECESSIT? OR NECESSARY OR WANT?? OR ENVISION-??? OR DREAM)
S13	1381	S8(20N) (SUPPLIABLE OR AVAILABLE OR AVAILIABLE OR AVAILABLE OR AVAABLE OR READY OR ACCESSIBLE OR ON(2W) (HAND OR SHELF OR LOT) OR OBTAINABLE OR ATTAINABLE OR PROCURABLE OR IN() (STOCK - OR INVENTORY OR SUPPLY) OR ACTUAL?? OR REAL OR CONCRETE)
S14	157	S12(20N)S13
S15	152	S12(10N)S13
S16	9086	S6(20N)S7
S17	889	S16(20N) (SUPPLIABLE OR AVAILABLE OR AVAILIABLE OR AVAILABLE OR AVAABLE OR READY OR ACCESSIBLE OR ON(2W) (HAND OR SHELF OR LOT) OR OBTAINABLE OR ATTAINABLE OR PROCURABLE OR IN() (STOCK OR INVENTORY OR SUPPLY) OR ACTUAL?? OR REAL OR CONCRETE)
S18	1004	S16(20N) (IDEAL?? OR PERFECT OR DESIRED OR REQUIRE? OR NEED-?? OR STIPULAT? OR PREREQUISITE? ? OR REQUISITE? ? OR REQUIRE? OR ESSENTIAL? ? OR NECESSIT? OR NECESSARY OR WANT?? OR ENVISION-??? OR DREAM)
S19	124	S17(10N)S18
S20	124	S17(7N)S18
S21	124	S17(5N)S18
S22	85	S21 NOT PY>2000
S23	66	S22 NOT PD=20000115:20060731
S24	64	RD (unique items)
S25	6	Sort S24/ALL/HITS
S26	66	Sort S23/ALL/HITS

? sort s23/all/hits  
S26 66 Sort S23/ALL/HITS  
? t s26/6/1-40

26/6/1 (Item 1 from file: 47)  
04784299 SUPPLIER NUMBER: 19545620 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Vectors of change: electronic information from 1977 to 2007.(Cover Story)**  
July-August, 1997  
WORD COUNT: 8187 LINE COUNT: 00765

26/6/2 (Item 2 from file: 635)  
1058688 00-23520  
**New hearing aids to revive GN Danavox**  
PUBL DATE: 990402  
WORD COUNT: 598

26/6/3 (Item 3 from file: 810)  
0927985 BW1185

**CREATIVE COMPUTERS: Creative Computers, Inc. Reports Record Third-Quarter Sales**

October 26, 1998

26/6/4 (Item 4 from file: 810)  
0843022 BW0217

**TRADE'EX REQUISITE: TRADE'ex Licenses Next-Generation Electronic Catalog Management Capabilities from Requisite Technology**

April 28, 1998

26/6/5 (Item 5 from file: 810)  
0842857 BW0137

**TRADE'EX REQUISITE: TRADE'ex Licenses Next-Generation Electronic Catalog Management Capabilities from Requisite Technology**

April 28, 1998

26/6/6 (Item 6 from file: 610)  
00121672 19991018291B1341 (USE FORMAT 7 FOR FULLTEXT)  
**CompUSA Launches New Internet Company, cozone.com; 'cozone.com ushers in a new e-commerce philosophy: c-commerce. It's all about the customer.'**  
Monday, October 18, 1999 09:18 EDT  
WORD COUNT: 1,240

26/6/7 (Item 7 from file: 613)  
00103060 19990505SFW060 (USE FORMAT 7 FOR FULLTEXT)  
**First Ever Streaming Media Branding Study Shows Significant Increases in Brand Impact**  
Wednesday, May 5, 1999 11:00 EDT

WORD COUNT: 739

26/6/8 (Item 8 from file: 570)  
01783182 Supplier Number: 55350235 (USE FORMAT 7 FOR FULLTEXT)  
**UNDER CURRENTS; Care about the Web.(telecom industry's use of Web for  
customer service)(Internet/Web/Online Service Information)**  
July 26, 1999  
Word Count: 620

26/6/9 (Item 9 from file: 813)  
1196982 SFTU017A  
**Auto-by-Tel Now Embedded in Compare.Net's Interactive Buyer's Guide**  
DATE: December 9, 1997  
WORD COUNT: 644

26/6/10 (Item 10 from file: 813)  
1196981 SFTU017  
**Auto-by-Tel Now Embedded in Compare.Net's Interactive Buyer's Guide**  
DATE: December 9, 1997  
WORD COUNT: 644

26/6/11 (Item 11 from file: 810)  
0948131 BW1016  
**WORLDSPY: Introducing WorldSpy - A Premier Online Research and Shopping  
Site and the Internet's First Consumer E-Commerce Exchange**  
December 07, 1998

26/6/12 (Item 12 from file: 47)  
04681036 SUPPLIER NUMBER: 19018806 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Fuel economy ratings: 1997 mileage estimates.**  
Nov, 1996  
WORD COUNT: 768 LINE COUNT: 00061

26/6/13 (Item 13 from file: 47)  
04393986 SUPPLIER NUMBER: 17801324 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Fuel economy ratings: 1996 mileage estimates.(Special Report, part 5)**  
Nov, 1995  
WORD COUNT: 1371 LINE COUNT: 00433

26/6/14 (Item 14 from file: 47)  
02742245 SUPPLIER NUMBER: 03839862 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Conductive composites blunt EMI effects; for effective EMI shielding you'll  
want to balance costs, product weight, and esthetics.**  
July, 1985  
WORD COUNT: 1758 LINE COUNT: 00147

26/6/15 (Item 15 from file: 570)  
01547177 Supplier Number: 46362218 (USE FORMAT 7 FOR FULLTEXT)  
**Panasonic Readies First Pagers**  
May 6, 1996  
Word Count: 980

26/6/16 (Item 16 from file: 810)  
0200731 BW631

**INFOWORLD: InfoWorld's new call-in service offers immediate answers to PC product pricing, performance and purchasing questions**

November 6, 1990

26/6/17 (Item 17 from file: 635)  
0174685 90-58223  
**InfoWorld's New Call-in Service Offers Immediate Answers to PC Product Pricing, Performance and Purchasing Questions**  
PUBL DATE: 901106  
WORD COUNT: 339

26/6/18 (Item 18 from file: 613)  
00167538 19990823NYM109 (USE FORMAT 7 FOR FULLTEXT)  
**interBiz Supply Chain Group Offers Trio of New Products Leveraging Corporate Technologies**  
Monday, August 23, 1999 17:15 EDT  
WORD COUNT: 873

26/6/19 (Item 19 from file: 47)  
02728483 SUPPLIER NUMBER: 00638627  
**Word Perfect.**  
Aug. 20, 1985

26/6/20 (Item 20 from file: 570)  
01847374 Supplier Number: 59324628  
**Gaining access to the Web.**  
Jan, 2000

26/6/21 (Item 21 from file: 810)  
0212934 [ <\*B

**ACER AMERICA INGRAM: Acer and Ingram Micro announce distribution contract: Ingram Micro to distribute Acer laptop, notebook and AcerView monitors**

February 11, 1991

26/6/22 (Item 22 from file: 635)  
0193870 91-15378  
**Acer and Ingram Micro Announce Distribution Contract: Ingram Micro to Distribute Acer Laptop, Notebook and AcerView Monitors**  
PUBL DATE: 910211



WORD COUNT: 286

26/6/23 (Item 23 from file: 610)  
00059007 19990614165B0121 (USE FORMAT 7 FOR FULLTEXT)  
**Maxspeed Enters Windows-based Terminal Market With Fastest Product Available; New Terminal Offers Greater Speed, More Features and Lower Cost Than Competitors**  
Monday, June 14, 1999 07:51 EDT  
WORD COUNT: 407

26/6/24 (Item 24 from file: 47)  
04305824 SUPPLIER NUMBER: 17105357 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Medusa alliances: managing complex interorganizational relationships. (includes article on the Medusa myth)**  
July 17, 1995  
WORD COUNT: 2793 LINE COUNT: 00230

26/6/25 (Item 25 from file: 813)  
1359243 SFM038  
**Continental Airlines Reports 14th Record Quarter; Pre-Tax Income Grows 33 Percent; Cash at All-Time High**  
DATE: October 19, 1998  
WORD COUNT: 2,616

26/6/26 (Item 26 from file: 813)  
1292500 NYSP008  
**EMC Corp.'s \$250 Million Senior Notes Rated BBB- by Standard & Poor's; Outlook Stable**  
DATE: June 15, 1998  
WORD COUNT: 316

26/6/27 (Item 27 from file: 810)  
0866299 BW1522  
**S & P: EMC Corp.'s \$250M Sr Nts Rtd BBB- by S&P;Outlk Stable EMC Corp.**  
June 15, 1998

26/6/28 (Item 28 from file: 47)  
05044726 SUPPLIER NUMBER: 20078572 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Fuel economy ratings: 1998 mileage estimates.**  
Nov, 1997  
WORD COUNT: 736 LINE COUNT: 00060

26/6/29 (Item 29 from file: 47)  
04708774 SUPPLIER NUMBER: 19210905 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Antivirus utilities. (ten anti-virus software packages reviewed) (includes related articles on Editors' Choice, types of viruses, performance tests) (The 1997 Utility Guide) (Software Review) (Evaluation)**

April 8, 1997

WORD COUNT: 6329 LINE COUNT: 00488

26/6/30 (Item 30 from file: 47)

04564273 SUPPLIER NUMBER: 18557323

**Forest & Trees cuts path to data needed for decisions. (Platinum Technology Inc Forest & Trees 4.0 decision-support tool) (Lab Note) (Software Review)(Evaluation)**

August 5, 1996

WORD COUNT: 1364 LINE COUNT: 00114

26/6/31 (Item 31 from file: 47)

03618067 SUPPLIER NUMBER: 11153733 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Maximum Mac management. (Software Review ) (four network management software packages for Apple Macintosh)(includes related articles on future products, version tracking programs) (evaluation)**

Oct, 1991

WORD COUNT: 4162 LINE COUNT: 00316

26/6/32 (Item 32 from file: 47)

02948865 SUPPLIER NUMBER: 04838513 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**DCA to announce link products for PC-2s, Macs, LANs: Apple models brought into 3270 environment; software emphasized. (Digital Communications Associates to release micro-to-mainframe products at Comdex during week of June 1987)**

May 26, 1987

WORD COUNT: 505 LINE COUNT: 00042

26/6/33 (Item 33 from file: 47)

02672951 SUPPLIER NUMBER: 00620089 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Fourth-Generation Programming Tools Arrive at PC Level.**

May 28, 1985

WORD COUNT: 768 LINE COUNT: 00062

26/6/34 (Item 34 from file: 570)

01946603 Supplier Number: 63939686 (USE FORMAT 7 FOR FULLTEXT)

**Egg reveals its retail ambitions.**

Dec, 1999

Word Count: 257

26/6/35 (Item 35 from file: 813)

1292082 SFM038

**Compare.Net Receives Equity Investment From Intel Corporation**

DATE: June 15, 1998

WORD COUNT: 496

26/6/36 (Item 36 from file: 492)

09525095

**SOFTWARE GIVES QUICK TRANSLATION**

Sunday, January 25, 1998

Word Count: 861

26/6/37 (Item 37 from file: 47)  
05450161 SUPPLIER NUMBER: 19597388 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Recipes for success. (Black-owned businesses based on family recipes,  
including Herbert and Sylvia Woods' restaurant and \$6 mil canned food  
line)(includes a directory of helpful organizations)**  
August, 1997  
WORD COUNT: 4194 LINE COUNT: 00325

26/6/38 (Item 38 from file: 47)  
05239081 SUPPLIER NUMBER: 21186940 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Planning for disasters. ('The Complete Book of Survival')**  
Oct, 1998  
WORD COUNT: 470 LINE COUNT: 00039

26/6/39 (Item 39 from file: 47)  
05071978 SUPPLIER NUMBER: 19952133 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Follett Software Company develops new Web OPAC software.**  
Nov, 1997  
WORD COUNT: 396 LINE COUNT: 00035


26/6/40 (Item 40 from file: 47)  
04592560 SUPPLIER NUMBER: 18712915 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**How to get what you want in your new PC. (PC vendors' use of generic parts,  
stripped-down versions of name-brand products affects performance)  
(includes related article on tips for buyers) (Top of the News)(Buyers  
Guide)**  
Oct, 1996  
WORD COUNT: 2274 LINE COUNT: 00180




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<b>Narrow Results by Subject:</b> <a href="#">UNITED States</a> <a href="#">C (Computer program language)</a> <a href="#">IMAGE processing</a> <a href="#">MOBILE computing</a> <a href="#">MULTIMEDIA systems</a> <a href="#">BORLAND International Inc.</a> <a href="#">AMIGA (Computer)</a> <a href="#">APPLICATION software -- Development</a> <a href="#">LAPTOP computers</a> <a href="#">LIBRARIES</a>	1. <a href="#">How Bloomingdale's aims to enrich online shopping -- Interactive images will let customers inspect goods.</a> By: Luh, James C. <i>Internet World</i> , August 24, 1998, Vol. 4 Issue 27, p27, 2p; (AN IPCA0546749) 
	2. <a href="#">Presentation dream machines -- If you still think of portable computers as stand-ins for the real thing, it's time to wake up. Today's multimedia notebooks are....</a> By: Hanke, Jon. <i>Presentation Products Magazine</i> , October 1, 1997, Vol. 11 Issue 10, p71-83, 7p; (AN IPCA0517095A) 
	3. <a href="#">Scan converters: high-tech translators from computers to TVs -- When you need to play back images from your computer on a TV, a scan converter interprets and converts your computer's data into a....</a> By: Cook, Jean M. <i>Presentation Products Magazine</i> , September 1, 1997, Vol. 11 Issue 9, p47-51, 4p; (AN IPCA0514454) 
	4. <a href="#">Looking under the hood at the push plans.</a> By: Zelnick, Nate. <i>Webweek</i> , July 7, 1997, Vol. 3 Issue 20, p21, 2p; (AN IPCA0507143B) 
	5. <a href="#">Multimedia mass storage -- The latest generation of high-speed, high-capacity hard disks is tuned to the extreme requirements of high-end multimedia development.</a> By: Miestkowski, Stan. <i>PC Graphics &amp; Video</i> , September 1, 1996, Vol. 5 Issue 9, p50-54, 5p; (AN IPCA0478446) 
	6. <a href="#">Object-oriented analysis and design -- The good, the bad, and the ugly of OOAD methodologies, and various approaches to using them.</a> By: Gora, Michael. <i>DBMS</i> , June 1, 1996, Vol. 9 Issue 7, p61-70, 6p; (AN IPCA0469236) 

 **Back** 14 page(s) will be printed.

### Search History

#	Query	Limiters/Expanders	Last Run Via	Results
S1	(autogenerat??? or creat??? or generat??? or produc??? or develop* or form??? or deriv??? or extract??? or glean??? or synthesi?e? or synthesi?ing or construct??? or configur* or formulat???) and (comparison? or compar??? or correlat??? or corelat??? or juxtapos* or side by side or similar*) and (merchandise or goods or wares or item? or product? or article? or thing? or object? or automobile? or car or cars or motor vehicle? or auto or autos) and (characteristic? or qualities or peculiarit??? or feature? or idiosyncra* or attribute? or specifications or specs or particulars or properties or detail? or description? or information or paramat??? or paramet??? or size? or price? or class or seat??? or sunroof? or moonroof? or sun roof? or moon roof? or transmission or stick or shift??? or automatic or horsepower or color or colour or trim or upgrade? or speaker? or radio? or player?) and (ideal?? or perfect or desired or require* or need?? or stipulat* or prerequisite? or requisite? or essential? or necessit* or necessary or want?? or envision??? or dream) and (suppliable or available or availiable or available or available or ready or accessible or on hand or on the shelf or on the lot or obtainable or attainable or procurable or in stock or in inventory or actual?? or real or concrete)	<b>Limiters</b> - Date Published: 198001-200001	<b>Interface</b> - EBSCOhost <b>Search Screen</b> - Basic <b>Database</b> - Internet and Personal Computing Abstracts	19

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**Record: 1**

**Title:** How Bloomingdale's aims to enrich online shopping -- Interactive images will let customers inspect goods.

**Authors:** Luh, James C

**Source:** Internet World; August 24, 1998, Vol. 4 Issue 27, p27, 2p

**Document Type:** Article

**Subject Terms:** WEB sites  
ELECTRONIC commerce  
RETAIL trade  
BUSINESS planning  
WEB sites -- Authorship

**Geographic Terms:** UNITED States

**Author-Supplied  
Keywords:** Bloomingdale's

**Abstract:** Reports on the ambitious plans Bloomingdale's has for its Web site. Says the company will offer high-priced clothing and accessories at the site, using interactive technology that does not require visitors to download plug-ins or viewer software. Notes Live Picture Flashpix file formats will enable visitors to zoom in on detail as fine as stitch quality or fabric texture, view different regions of a panoramic scene, and examine object from different angles. Adds the company's aim is to offer a comprehensive shopping environment, providing an experience similar to being in the brick-and-mortar store. Says users will have access to many of the same services available at the store, including fashion advice and shopping profiles. Adds that Live Picture's server-based technology will be used to recreate the environment at Bloomingdale's flagship Manhattan store. Includes one sidebar.

**ISSN:** 1097-8291

**URL:** <http://www.bloomingdales.com>

**Accession Number:** IPCA0546749

**Database:** Internet and Personal Computing Abstracts

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**Record: 2**

**Title:** Presentation dream machines -- If you still think of portable computers as stand-ins for the real thing, it's time to wake up. Today's multimedia notebooks are...

**Authors:** Hanke, Jon

**Source:** Presentation Products Magazine; October 1, 1997, Vol. 11 Issue 10, p71-83, 7p

**Document Type:** Article

**Subject Terms:** LAPTOP computers  
MOBILE computing  
MULTIMEDIA systems

**Geographic Terms:** UNITED States

**Abstract:** Presents a buyers' guide to presentation laptops. Features a table comparing the model, base price for a standard configuration, display size and resolution, processor speed, standard and maximum RAM, cost of RAM upgrade up to 48MB, standard and maximum capacity of disk drive, CD-ROM drive speed, built-in multimedia and networking features, modular bay components, PC Card slot, folded size, weight, pointing device, battery type, warranty, and availability of 24-hour replacement service of 45 products from 45 companies. Includes 27 photos and two sidebars.

**ISSN:** 1041-9780

**Accession Number:** IPCA0517095A

**Database:** Internet and Personal Computing Abstracts

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**Record:** 3

**Title:** Scan converters: high-tech translators from computers to TVs -- When you need to play back images from your computer on a TV, a scan converter interprets and converts your computer's data into a...

**Authors:** Cook, Jean M

**Source:** Presentation Products Magazine; September 1, 1997, Vol. 11 Issue 9, p47-51, 4p

**Document Type:** Article

**Subject Terms:** IMAGE processing  
COMPUTER peripherals

**Geographic Terms:** UNITED States

**Abstract:** Presents a guide to consumer and professional scan converters. Features a table comparing the model, price, platform, software needed, real-time interpolation, output standards, output formats, maximum resolution, horizontal and vertical frequencies, multi- and auto-scanning, color output, samples per line, gen lock, size control, shift control, pan and zoom, underscan, flicker resolution, local monitor loop, remote control, configuration, and weight of 33 products from 15 companies. Includes eight photos.

**Notes:** System Compatibility: IBM PC Compatible; Macintosh; Microsoft Windows; DOS

**ISSN:** 1041-9780

**Accession Number:** IPCA0514454

**Database:** Internet and Personal Computing Abstracts

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**Record:** 4

**Title:** Looking under the hood at the push plans.

**Authors:** Zelnick, Nate

**Source:** Webweek; July 7, 1997, Vol. 3 Issue 20, p21, 2p

**Document Type:** Article

**Subject Terms:** INFORMATION retrieval  
BROWSERS (Computer programs)

**Geographic Terms:** UNITED States

**Author-Supplied** Microsoft

**Keywords:**

**Company/Entity:** NETSCAPE Communications Corp.

**Abstract:** Reports that both Netscape Communications Corp. of Mountain View, CA and Microsoft Corp. of Redmond, WA actually refer to a range of solutions when they talk about the push portions of their respective Web clients. Explains that both companies highlight simple offline browsing when questioned about the proprietary nature or complexity of their products, but describe a range of attributes when doing feature comparisons. Remarks that both mean that a user can subscribe to a Web page and have it pre-cached automatically. Adds that they claim that no changes are required when a site is converted to a channel. Concludes that building a channel actually requires altering a page into its component parts and developing a structure for delivering sub-channels based on user preferences. Includes one screen display and one chart.

**ISSN:** 1081-3071

**Accession Number:** IPCA0507143B

**Database:** Internet and Personal Computing Abstracts

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**Record:** 5

**Title:** Multimedia mass storage -- The latest generation of high-speed, high-capacity hard disks is tuned to the extreme requirements of high-end multimedia development.

**Authors:** Miastkowski, Stan

**Source:** PC Graphics & Video; September 1, 1996, Vol. 5 Issue 9, p50-54, 5p

**Document Type:** Article

**Subject Terms:** MULTIMEDIA systems

**Geographic Terms:** UNITED States

**Abstract:** Presents a buyers' guide to mass storage drives for multimedia applications. Features a table comparing 17 products from five companies for price, size in MB, interfaces, rpm, average access time in-ms, buffer size in-KB, and mean time between failures in hours. Contains vendor contact information. Notes that AV drives are often not available at typical computer dealers and can be in short supply because they are purchased by companies that integrate AV drives into their proprietary video systems. Includes nine photos, three sidebars, a chart, and a product resource guide.

**Notes:** System Compatibility: IBM PC Compatible; Macintosh

**ISSN:** 1077-5862

**Accession Number:** IPCA0478446

**Database:** Internet and Personal Computing Abstracts

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**Record: 6**

**Title:** Object-oriented analysis and design -- The good, the bad, and the ugly of OOAD methodologies, and various approaches to using them.

**Authors:** Gora, Michael

**Source:** DBMS; June 1, 1996, Vol. 9 Issue 7, p61-70, 6p

**Document Type:** Article

**Subject Terms:** APPLICATION software -- Development  
OBJECT-oriented methods (Computer science)

**Geographic Terms:** UNITED States

**Abstract:** Discusses object-oriented analysis and design methodologies (OOAD) and various approaches to using them. Says thinking of a problem in terms of objects and object classes is the only aspect of OOAD that differentiates it from traditional analysis and design. Adds that all major OOAD methodologies have a similar basic view of objects, classes, inheritance, and relationships. Notes that choosing a methodology requires considering its features as well as the cost of using it, the types of problems to which it is best suited, its limitations, and the available training. Also says all the methodologies suffer from the same basic flaws. Includes two diagram, two charts, and a product resource guide.

**ISSN:** 1041-5173

**Accession Number:** IPCA0469236

**Database:** Internet and Personal Computing Abstracts

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**Record: 7**

**Title:** C++ libraries -- Whether you are a beginner or a pro, one thing holds true: buy before you build.

**Authors:** Dunne, Alex

**Source:** Software Development; December 1, 1995, Vol. 3 Issue 12, p73-80, 7p

**Document Type:** Article

**Subject Terms:** C (Computer program language)  
LIBRARIES  
APPLICATION software -- Development

**Geographic Terms:** UNITED States

**Abstract:** Presents a buyers' guide to C++ libraries. Features a table comparing the base price, hard disk space required, category, target platforms, compilers, and functions and features of 84 products from 46 companies. Says product costs, the cost of increased testing and quality assurance, the cost of testing at different levels, and maintenance costs should be considered when buying a library. Notes that the guide is also available from <http://www.mfi.com/sdmag>. Includes a table.

**ISSN:** 1070-8588

**Accession Number:** IPCA0450520

**Database:** Internet and Personal Computing Abstracts

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**Record:** 8

**Title:** Network managers ponder configuration conundrum.

**Authors:** Melewski, Deborah

**Source:** Software Magazine; October 1, 1995, Vol. 15 Issue 10, p71-74, 80+, 7

**Document Type:** Article

**Subject Terms:** CLIENT/server computing  
UTILITIES (Computer programs)  
ASSET management

**Geographic Terms:** UNITED States

**Abstract:** Presents a buyers' guide to configuration management tools for client/server environments. Features a table comparing the OS support, network support, asset/inventory management capability, auto discovery function, problem management, software distribution, and license management of 37 products from 32 companies. Says managing a large number of PCs in a distributed requires a substantial investment in software tools. Adds that a fully integrated configuration management system can combine hardware and software inventory management with problem management, event monitoring, software distribution, and security features. Includes two screen displays, two photos, and a table.

**ISSN:** 0897-8085

**Accession Number:** IPCA0444731

**Database:** Internet and Personal Computing Abstracts

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**Record:** 9

**Title:** Forms processors tackle all imaging tasks--and more -- The two things you can count on in this world--death and taxes-- require a form. Processing these forms, and the thousands of...

**Authors:** Spencer, Harvey

**Source:** Imaging; September 1, 1995, Vol. 4 Issue 9, p19-38, 13p.

**Document Type:** Article

**Subject Terms:** IMAGE processing  
BAR coding

**Geographic Terms:** UNITED States

**Abstract:** Presents a buyer's guide to forms processors. Features a table comparing 22 forms processing solutions from 22 companies. Examines the image processing features and new innovations currently available in a wide variety of products, and discusses the hardware selection considerations. Includes a sidebar discussing forms processing outsourcing, a diagram tracing automated data entry, and five more sidebars highlighting forms products from various vendors, including: FormFix with Intelligent Document Logic (IDL) technology from Sequoia; the Gold Edition of KIPP Image Controls from Kofax; and new technologies introduced in products from Web Systems, Symbol Technologies, Diamond Head, and others. Includes two photos and a diagram.

**ISSN:** 1063-4320

**Accession Number:** IPCA0442403

**Database:** Internet and Personal Computing Abstracts

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**Record:** 10

**Title:** Real-world groupware -- A comparison of six network-based group scheduling packages shows this is one groupware category that has definitely arrived.

**Authors:** Marks, Howard

**Source:** LAN; March 1, 1994, Vol. 9 Issue 3, p146-162, 10p

**Document Type:** Article

**Subject Terms:** SCHEDULING  
WORK groups -- Data processing  
COMPUTER networks

**Geographic Terms:** UNITED States

**Author-Supplied** OnTime for Windows

**Keywords:** Lotus Organizer  
Microsoft Schedule+ for Windows  
CaLANdar  
Meeting Maker XP  
Campbell Services  
Lotus Development  
Microsoft  
Microsystems Software  
On Technology

**Abstract:** Introduces a buyer's guide to workgroup scheduling packages. Features a table comparing nine features of six scheduler packages from six companies. Includes requirements, installation, technical support, documentation, ease of use, robustness/compatibility, applicability, test environment, price, and vendor information. Includes a review and screen display for each product. Concludes that the products all differ, but one of them should meet most of your requirements. Products include: OnTime for Windows v1.5 (\$534) from Campbell Services; Lotus Organizer v1.1 (\$149) from Lotus Development; Microsoft Schedule+ v1.0 for Windows (\$195) from Microsoft; CaLANdar v2.5 (\$495) from Microsystems Software; Meeting Maker XP v1.0 (\$790) from On Technology; and Epoch v1.01 (\$129) from Raindrop Software.

**Notes:** System Compatibility: IBM PC Compatible; Microsoft Windows; Macintosh; NetWare; Microsoft Windows for Workgroups

**ISSN:** 1069-5621

**Accession Number:** IPCA0378415

**Database:** Internet and Personal Computing Abstracts

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**Record:** 11

**Title:** Bounty in a briefcase -- These six-486 subnotebooks pack a lot of computing power in a shrunken package perfect for traveling.

**Authors:** O'Malley, Christopher

**Source:** Mobile Office; February 1, 1994, Vol. 5 Issue 2, p72-91, 13p

**Document Type:** Article

**Subject Terms:** LAPTOP computers  
MOBILE computing

**Geographic Terms:** UNITED States

**Author-Supplied** Toshiba Portege T3400

**Keywords:** Zenith Z-Lite 425L  
Epson ActionNote 4000  
Altima Traveler  
HP OmniBook 425  
Toshiba America  
Zenith Data Systems  
Epson America  
Altima Systems

**Company/Entity:** HEWLETT Packard Co.

**Abstract:** Presents a buyer's guide to 486 subnotebook computers. Features a table comparing 22 features of six products from six companies. Includes standard feature configurations, battery performance, portability information, support and warranty, and prices. The accompanying article includes a short review of each product, graphs comparing word processing power, spreadsheet speed, database throughput, graphics performance, battery life test, desktop publishing, and software development, a photo of each computer, a listing of test results for each, and vendor information. Concludes that the Zenith Data Systems Z-Lite 425L has many strengths and few weaknesses, but notes that the Toshiba Portege T3400 is clearly the best choice if you have the money. The Toshiba was awarded "High Honors." Includes six photos, seven graphs, one table, and six test results listings.

**Notes:** Product Rating: Toshiba Portege T3400: A; Zenith Z-Lite 425L: B; Epson ActionNote 4000: B; Altima Traveler: B; HP OmniBook 425: B

**ISSN:** 1047-1952

**Accession Number:** IPCA0375860

**Database:** Internet and Personal Computing Abstracts

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**Record:** 12

**Title:** Aladdin 4D.

**Authors:** Blaize, Steven

**Source:** AmigaWorld; November 1, 1993, Vol. 9 Issue 11, p28, 3p

**Document Type:** Product Review

**Subject Terms:** GRAPHIC arts  
COMPUTER animation  
AMIGA (Computer)

**Geographic Terms:** UNITED States

**Author-Supplied** Aladdin 4D

**Keywords:** Adspec

**Abstract:** Presents a mixed review of Aladdin 4D v2.3 (\$499), a 3D rendering program from Adspec of Salem, OH. Requires an Amiga computer system. Says program contains many unusual and powerful rendering commands and uses a single viewing port with views available from top, bottom, front, and side. Says its features include special abilities for creating gases allowing the control of color, turbidity, movement, and density; extensive surface attribute control; surface morphing; and notes it is the only program to allow JPEG-format bitmaps for texture maps. However object morphing is the only morphing allowed; it does not include refractive indexing for transparent objects; documentation is poorly organized; and it does not include simple geometric shapes, meaning that every object must be created from scratch. Concludes it is a powerful system but user interface is not easily learned. Contains one screen display and a table comparing features.

**Notes:** Product Rating: Aladdin 4D: C  
System Compatibility: Amiga

**Accession Number:** IPCA0367226

**Database:** Internet and Personal Computing Abstracts

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**Record:** 13

**Title:** Next-generation processors -- Buyers' guide.

**Authors:** Schurr, Amy

**Source:** PC Week; August 23, 1993, Vol. 10 Issue 33, p127, 3

**Document Type:** Article

**Subject Terms:** MICROCOMPUTER workstations

**Geographic Terms:** UNITED States

**Abstract:** Presents a buyer's guide to MIPS-based workstations. Features a table comparing base to maximum RAM, hard drive range, processor included, clock rate, secondary cache, operating systems supported, bus types, drives and bays included, video accelerator, ports available, controllers included, protocols supported, power required, and price of 10 products from 8 companies. Gives the telephone number of vendors. Includes the following articles by Amy Schurr: "PCs gain more and more virtues of workstations" (p127). describes workstation capabilities of microcomputer systems made possible by new microprocessors; and "Pentium, RISC CPUs bring buyers fat performance gains" (p127-130) discusses performance advantages of Pentium-based microcomputer systems. Includes bar graphs, a table, and a photo.

**ISSN:** 0740-1604

**Accession Number:** IPCA0358179

**Database:** Internet and Personal Computing Abstracts

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**Record:** 14

**Title:** DSS8+ Digital Sound Studio.

**Authors:** Lindström, Bob

**Source:** AmigaWorld; July 1, 1993, Vol. 9 Issue 7, p64-64, 1p

**Document Type:** Product Review

**Subject Terms:** SOUND  
AMIGA (Computer)

**Geographic Terms:** UNITED States

**Author-Supplied** DSS8

**Keywords:** Great Valley Products

**Abstract:** Presents a very favorable review of DSS8+ Digital Sound Studio (\$99, \$59 trade-in for any audio sampler), an audio digitizer from Great Valley Products of King of Prussia, PA. Requires an Amiga with a minimum 1MB RAM, a sound source with line-level outputs and RCA connectors or a microphone, although a recommended system would include a hard drive, 2MB RAM, MIDI interface, amplified speakers or outboard audio system with AUX input. Says it has improved on the previous version (DSS8) by eliminating adjustment controls on the hardware that plugs into the parallel port, placing those controls in the software. Says other features such as mono sampling up to 51KHz; stereo sampling to 42KHz; full cut/copy/paste editing; real-time oscilloscope and spectrum analysis displays; along with support for IFF, SONIX, and RAW file formats, and ARexx are very similar to the previous version. Includes one screen display.

**Notes:** Product Rating: DSS8+: A  
System Compatibility: Amiga

**Accession Number:** IPCA0354378

**Database:** Internet and Personal Computing Abstracts

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**Record:** 15

**Title:** An Xbase for all platforms.

**Authors:** Schaffhauser, Dian

**Source:** Data Based Advisor; March 1, 1993, Vol. 11 Issue 3, p85-96, 7p

**Document Type:** Article

**Subject Terms:** DATABASE management  
SOFTWARE compatibility  
CASE studies

**Geographic Terms:** UNITED States

**Author-Supplied** dBase IV

**Keywords:** X2c  
q\*Base  
FoxPro  
Recital  
Desktop Ai  
knowledge Information Systems  
Microsoft

**Company/Entity:** BORLAND International Inc.

**Abstract:** Presents a buyer's guide to Xbase cross-platform development database tools. Features a table comparing 6 products from 6 manufacturers, including pricing, platforms available, Xbase compatibility, and comments. Says there is no Xbase language standard, so that users and developers must choose a dialect to work under, and notes that different platforms require different approaches to development. Sidebars describe examples of implementations at various sites, where requirements included: developing textual database programs for state-wide university extension services; capturing employee timesheet information throughout a large organization; replacing a manual-entry system; and tracking problems in software packages. Notes the importance speed, platform portability, cost-effective maintenance, and licensing costs in choosing certain packages. Includes one table.

**Notes:** System Compatibility: IBM PC Compatible; Macintosh; Sun Workstation; DEC VAX/VMS

**ISSN:** 1090-6436

**Accession Number:** IPCA0342600

**Database:** Internet and Personal Computing Abstracts

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**Record:** 16

**Title:** Tax preparation software -- Buyer's guide.

**Authors:** Duffy, Caroline A

**Source:** PC Week; January 13, 1992, Vol. 9 Issue 2, p97, 3p

**Document Type:** Article

**Subject Terms:** TAXATION

**Geographic Terms:** UNITED States

**Abstract:** Presents a buyer's guide to tax software packages. Features a table comparing RAM required, hard drive space required, minimum DOS version supported, federal tax forms included, state add-in tax modules available, money management packages supported, user interfaces supported, additional features, printer formats supported, printers supported, electronic filing supported, electronic filing cost, price, and price of add-in state tax modules of 10 products from 9 companies. Includes the following articles by Caroline Duffy: ``Software Packages Make April 15 Less Tax (p97), which introduces the buyer's guide; and ``Parsons' T Software Simplifies the Preparation Process" (p97) presents a case study showing the use of Personal Tax Preparer by the Oklahoma City Office of Emergency Management; and ``Tax Software, Electronic Filing Gain Ground" (p104) presents a market analysis. Includes a photo and a table.

**ISSN:** 0740-1604

**Accession Number:** IPCA0301271

**Database:** Internet and Personal Computing Abstracts

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**Record:** 17

**Title:** Optimizing C compilers: ready for action -- Here's where we stand in the eternal quest for faster, tighter code.

**Authors:** Naro, Rick

**Source:** Computer Language; May 1, 1990, Vol. 7 Issue 5, p47-62, 11p

**Document Type:** Article

**Subject Terms:** COMPILED (Computer programs)  
C (Computer program language)

**Geographic Terms:** UNITED States

**Author-Supplied** C Network Compiler

**Keywords:** Microsoft C  
Watcom C  
Microsoft  
Watcom Products

**Company/Entity:** NOVELL Inc.

**Abstract:** A special section comparing the performance and optimization capabilities of 9 C programming language compilers. Details results of several benchmark tests conducted and summarizes performances of the 9 compilers in 5 tables and 2 sidebars. Also features performance ratings of the tested products in an illustrated scorecard. The perfect 5-point performance (very favorable) rating was given to three products: C Network Compiler v 1.0 (\$695) from the Development Products division of Novell Inc.; Microsoft C v.6.0 (\$495) from Microsoft Corp.; and Watcom C v7.0 (\$395) from Watcom Products Inc. Includes five tables and one chart.

**Notes:** Product Rating: C Network Compiler: A; Microsoft C: A; Watcom C: A

**ISSN:** 0749-2839

**Accession Number:** IPCA0113418

**Database:** Internet and Personal Computing Abstracts

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**Record:** 18

**Title:** C development environments -- Optimization is fine in its place, but real leverage come from increased productivity.

**Authors:** Parker, Tim

**Source:** Computer Language; May 1, 1990, Vol. 7 Issue 5, p97-111; 14p

**Document Type:** Article

**Subject Terms:** C (Computer program language)  
EVALUATION

**Geographic Terms:** UNITED States

**Author-Supplied** Microsoft C

**Keywords:** Turbo C  
Zortech C/C  
Microsoft  
Zortech

**Company/Entity:** BORLAND International Inc.



**Abstract:** A section reviewing 9 C development environment packages, which incorporate a compiler, library, linker, debugger and editor. Features a table comparing 35 features of the debuggers of the 11 development packages; a sidebar discussing benchmark testing methodology; and a chart showing review ratings of the reviewed set. The perfect five-globe rating was given to three products: Microsoft C (\$495) from Microsoft Corp., Turbo C (\$250) from Borland International, and Zortech C/C++ (\$450) from Zortech Inc. Includes 2 illustrations, 1 table and 1 chart.

**Notes:** Product Rating: Microsoft C: A; Turbo C: A; Zortech C/C++: A

**ISSN:** 0749-2839

**Accession Number:** IPCA0113433

**Database:** Internet and Personal Computing Abstracts

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**Record:** 19

**Title:** Borland's Pascal beats Microsoft's for OOP.

**Authors:** Coffee, Peter

**Source:** PC Week; July 3, 1989, Vol. 6 Issue 26, p56-57, 2p

**Document Type:** Article

**Subject Terms:** PROGRAMMING languages (Computers)

**Geographic Terms:** UNITED States

**Abstract:** Reports on comparative tests conducted, in conjunction with Spirit of Performance Inc. of Harvard, Mass., on QuickPascal 1.0 and Turbo Pascal 5.5 from Microsoft and Borland International respectively. Says QuickPascal, with its extensive on-line support and lower cost, suits a Pascal novice; Turbo Pascal, on the other hand, contains features that, in the long run, will cater to the professional developer's more sophisticated requirements. Two sidebar articles compare performance in math operations and in graphics capabilities. Contains one chart, comparing key features of QuickPascal vs. Turbo Pascal, and two sidebar articles.

**ISSN:** 0740-1604

**Accession Number:** IPCA0018623

**Database:** Internet and Personal Computing Abstracts